

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-23 (Canceled)

24.(New) Yarns or fibres made of polymer, wherein said polymer comprises an additive possessing flame-retardant properties composed of at least particles of a solid substrate on which a flame-retardant compound is adsorbed.

25.(New) The yarns or fibres according to Claim 24, wherein the flame-retardant additive has a concentration by weight of between 0.5% and 25%, optionally between 1% and 10%, with respect to the weight of polymer.

26. (New) The yarns or fibres according to Claim 24, wherein the solid substrate is an inorganic substrate being silica, alumina, zirconia, magnesium oxide, calcium oxide, cerium oxide, titanium oxide, calcium silicate, magnesium silicate or alkaline aluminosilicates.

27.(New) The yarns or fibres according to Claim 24, wherein the flame-retardant additive in the yarns or fibres is composed of particles or aggregates, at least 80% by number of which exhibit a size of less than 1 μm .

28.(New) The yarns or fibres according to Claim 24, wherein the solid substrate is in the form of porous granules or agglomerates, before being added to the polymer.

29.(New) The yarns or fibres according to Claim 28, wherein the granules or agglomerates exhibit a pore volume of at least 0.5 ml/g.

30.(New) The yarns or fibres according to Claim 29, wherein the granules or agglomerates have a mean diameter (D50) of greater than or equal to 60 μm .

31.(New) The yarns or fibres according to Claim 24, wherein the solid substrate is a silica.

32.(New) The yarns or fibres according to Claim 31, wherein the silica is in the form of granules or agglomerates exhibiting a specific surface of greater than 50 m^2/g and/or a pore volume of at least 0.5 ml/g , measured by the mercury porosity method.

33.(New) The yarns or fibres according to Claim 32, wherein the flame-retardant compound is chosen from the group of the organophosphorus compounds, melamine and melamine derivatives.

34.(New) The yarns or fibres according to Claim 33, wherein the organophosphorus compounds are polyphosphate esters, phosphoric esters or phosphonic esters.

35.(New) The yarns or fibres according to Claim 24, wherein the polymer is a thermoplastic polymer which is a polyolefin, polyester, poly(alkylene oxide), polyoxyalkylene, polyhaloalkylene, poly(alkylene phthalate), poly(alkylene terephthalate), poly(vinyl acetate), poly(vinyl alcohol), poly(vinyl halide), poly(vinylidene halides, polyamides polyimide, polycarbonate, a polymer of acrylic acid, polymer of methacrylic acid, polyacrylate, polymethacrylate, or a thermoplastic copolymer comprising at least one monomer identical to any one of the monomers included in the abovementioned polymer.

36.(New) The yarns or fibres according to Claim 35, wherein the thermoplastic polymer is a polyester, polyamide, polyacrylamide, polyacrylonitrile, poly(acrylic

acid), an ethylene-acrylic acid copolymer, an ethylene-vinyl alcohol copolymer, a polyolefin, a low density poly(ethylene), poly(propylene), chlorinated low density poly(ethylene) or poly(styrene).

37. (New) The yarns or fibres according to Claim 35, wherein the thermoplastic is a poly(ethylene terephthalate) comprising at least 80% of ethylene terephthalate units or a copolymer of ethylene terephthalate and of 5-isosulphonic acid.

38. (New) The yarns or fibres according to Claim 35, wherein the thermoplastic is polyamide 6, polyamide 6,6, polyamide 4, polyamide 11, polyamide 12, polyamides 4,6, polyamide 6,10, polyamide 6,12, polyamide 6,36, or polyamide 12,12.

39. (New) The yarns or fibres according to Claim 24, further comprising an additive selected from the group consisting of pigments, dyes, heat stabilizers, light stabilizers, hydrophilic agents, hydrophobic agents and mattifying agents.

40 (New) A process for the manufacture of the yarns or fibres as defined in claim 24, comprising the steps of:

- a) adding the additive possessing flame-retardant properties to the thermoplastic in the molten state, and
- b) spinning said mixture through a spinneret and in applying a spinning or winding-up rate of greater than 300 m/min, and, optionally, with a spinning rate is greater than 300 m/min .

41. (New) The process according to Claim 39, wherein further comprising the step

c) of obtaining the flame-retardant additive by impregnation of granules or agglomerates of an inorganic substrate with the flame-retardant compound in a liquid state or in solution.

42. (New) The process according to Claim 41, wherein the flame-retardant compound in the flame-retardant additive has a concentration of between 20% and 70% by weight, with respect to the weight of inorganic substrate, optionally of between 20% and 50%.